SOURCE CODE: UR/0058/65/000/011/D012/D012 32058-66 EWT (1) ACC NR: AR6016173

AUTHOR: Zhevakin, S. A.; Strelkov, G. M.

TITLE: On the form of the spectral line due to collisions

SOURCE: Ref. zh. Fizika, Abs. 11086

REF SOURCE: Tr. Komis. po spektroskopii. AN SSSR, t. 3, vyp. 1, 1964, 39-41

TOPIC TAGS: spectral line, light scattering, kinetic equation, molecular spectrum

ABSTRACT: It is shown that an error has crept into the derivation of the formula for the contour of the spectral line in the well known paper of Van-Vleck and Weisskopf. For an idealized model of the optical oscillator the correct form of the spectral line can be obtained by the kinetic-equation method. This method leads to the same spectral-line shape under three different assumptions concerning the mechanism of the collision between the optical oscillator and the molecules surrounding it. This spectral-line shape, unlike the spectral-line shape given by Van-Vleck and Weisskopf, makes it possible to describe satisfactorily the rotational spectrum of water vapor. [Translation of abstract]

SUB CODE: 20

Card

VOLOVIK, V.D.; STRELKOV, G.P.; CHERKASOV, A.S.; CHURSIN, G.N.

你们中生处理是有效是一种的人,我们就是不是一种的人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个

Determining the moisture in sand from the attenuatic frast neutron flux. Atom.energ. 16 no. 4:366-367 Ap 164. (MIRA 17:5)

LIPKOVICH, Z.; ESTRIN, G.; MIROSHNICHENKO, D.; TRUBITSYN, N.; STRELKOV, I., master; LARIONTSEV, A.; ROMANOVICH, K.

。 1925年**,在1925年,1920年,1920年,1920年,1920年,1920年**,1920年,1920年,1920年,1920年,1920年,1920年,1920年,1920年,1920年,1920年,1920年,1

Experience of innovators and efficiency promoters. Stroitel' 8 no.10:25-26 0 '62. (MIRA 15:11)

1. Predsedatel' komiteta professional'nogo soyuza rabochikh stroitel'stva i promyshlennosti stroitel'nykh materialov stroitel'nogo uchastka No.108 tresta Mosstroy No.18 (for Lipkovich).

(Building—Technological innovations)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653520001-8"

L 38912-66 $EWT(d)/EWT(m)/EWP(v)/T/EWP(t)/ETI/EWP(k)/EWP(h)/EWP(1) IJP(c)$	
ACC NR: AP6017640 JD/HM/HW (N) SOURCE CODE: UR/0133/66/00/001/0090/0091	
AUTHOR: Kiselev, V. S. (Engr.); Strelkov, G. S. (Engr.); Sokolov, N. V. (Candidate of Technical Sciences); Tarnavskiy, A. L. (Candidate of Technical Sciences)	
ORG: NIIMetiz; Beloretsk Steel Wire and Cable Factory (Beloretskoye staleprovoloch- no-kanatnoye proizvodstvo)	:
TITLE: Improvement of the quality of nichrome microwire ,8	-
SOURCE: Stal', no. 1, 1966, 90-91	
TOPIC TAGS: fine wire, nichrome alloy, metal drawing  ABSTRACT: After cold drawing, nichrome microwire in the free state twists into curls 1-3 mm in diameter which under tension form loops and cause the wire to break.  Several methods of reducing or eliminating this defect are discussed. An arrangement for eliminating the curl on a wire 0.090 mm in diameter by centering the finishing draw plate is described; a wire 0.030 mm in diameter with a curl 13-22 mm in diameter	
without any curl at all. Thermal treatment of the wire was also investigated, but although the mechanical and electrical properties of the wire were satisfactory, its weldability was not, apparently because of a slight oxidation. The so-called spreading method involving the use of a D63-M flattening mill was also tested with good results. Orig. art. has: 5 figures. 10 UDC: 621.771.4/9	

STREEKOV, I. G.

2,149 STREEKOV, I. G. I BULG KOV, N. P. --O vliyanti pochvennykh usloviy na urozhay i semennuyu produktsiyu uzkolistnogo lyupina. Izvestiya .k.i. na k Bush, 1 49, No. 4, s. 121-29

50: Letopis' Lhuranl'nysh Statey, Vol. 39, Moskov, 1 ..9

363.4. Malcalkaroldnyya liyiny kak sawisatu secianisa kanasucy hany iswantiya akan Ma ka Filit, liwa, No. 5, J. 10-77.

11. langis t Shows Inyah State, No. 47, 474

STRELKOV, Ignstiy Georgiyevich

[Lupine and its use in White Russia] Lubiny i ikh prysianenne u
BSSR. Minek, Drierzh. vyd-ve BSSR, 1954. 33 p. (MIRA 10:8)

(White Russia--Lupine)

40 11/12 1 . K. S. 1 USSR/Fitting Out of Laboratories - Instruments, Their Theory, Construction, and

Referat Zhur - Khimiya, No 19, 1956, 62011 Abst Journal:

> Strelkov, I. G. Author:

Institution: None

Metrological Work on Low Temperatures Title:

Izmerit. tekhnika, 1955, No 1, 22-27 Original Periodical:

Description of a procedure for measuring temperature below the lower limit of the International Scale (-183° C  $\simeq$  90° K). Use was made of a Pt resistance thermometer of spectral pure Pt Abstract: (IONKh-3) (diameter 0.05 mm, resistance 100 ohms) mounted in a

special housing. Correlation between resistance and temperature was determined on the basis of Matissen's rule using the tables for the L6 thermometer of the National Bureau of Standards. For reproduction of the boiling point of hydrogen use was made of a system of 2 condensation thermometers (see preceding abstract)

Card 1/2

STRELKOV, I.G.

Dilatemetry of solids and some of its applications. Zhur.neorg.khim.
1 no.6:1350-1357 Je '56.

(MLRA 9:10)

1.Institut fizicheskikh preblem Akademii nauk SSSR. (Dilatemetry) (Selids)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653520001-8"

STRELKOV, I.G.

Perennial lupine in White Russia. Zemledelie 4 no.11:92-96 N '56. (MLRA 10:2)

1. Institut sotsialisticheskogo sel'skogo khozyaystva Akademii nauk BSSR.

(White Russia -- Lupine)

#### "APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653520001-8 文化的技术的自己的特殊的程度,这个人可以可以可以使用的数据的数据的数据的数据的数据的数据的数据的数据的。

STRELKOV, I. G.

USSR/Soil Cultivation. Organic Fertilizers.

Abs Jour: Ref Zhur-Biologiya, No 1, 1958, 1279.

Author : Strelkov, I.G.

: Institute of Socialist Agriculture of the Academy of Inst

Science BelSSR

: How to Use Perennial Lupine for Fertilizer. Title

Orig Pub: Kolkhoznik Belorussii, 1256, No 6, 19-20.

Abstract: On the experimental base "Borovlyan" of the Institute of Socialist Agriculture of the Academy of Sciences BelSSR perennial lupine was planted with oats on the last plot of an eight-field rotation system. The lupine yield increased significantly upon application of PK Rye, sown with perennial lupine, gave the same yield as when sown on fallow land fertilized with 20 T/hectare of manure. Impine also increased the yields of perennial grasses. To prevent lupine from interfering with the succeeding crops it is sown during

: 1/2 Card

-14-

USSA, PROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653520001-8"

Abs Jour: Ref Zhur-Biologiya, No 1, 1958, 1279.

the flowering phase, and not less than two plowings of the land are done, using gang plows with the moldboards removed, before sowing the winter crops.

: 2/2 Card

-15-

USSR / Soil Science. Organic Fertilizers.

Γ

Abs Jour : Ref Zhur - Biologiya, No 11, 1958, No. 48674

crop rotations of the kolkhozos and sovkhozes of the non-chernozem belt, the leading place among the legume crops for soil improvement should be occupied not by the narrow-leaf bitter lupines, but by fodder lupine. -- N. N. Sokolov

Card 2/2

44

SHEMPEL', V.I., glav. red.; PROKOPOV, P.Ye., red.; STRELKOV, I.G., red.; RUBAHOV, V.S., red.; LAZARCHIK, K., red.; LESHCHILOVSKIY, P., red.

[Methods for improving the fertility of turf-Podzolic soils Priess: povysheniia plodorodiia dernovo-podzolistykh pochv; sbornik nauchnykh trudov. Minsk, Urozhai, 1965.
217 p. (MIRA 18:7)

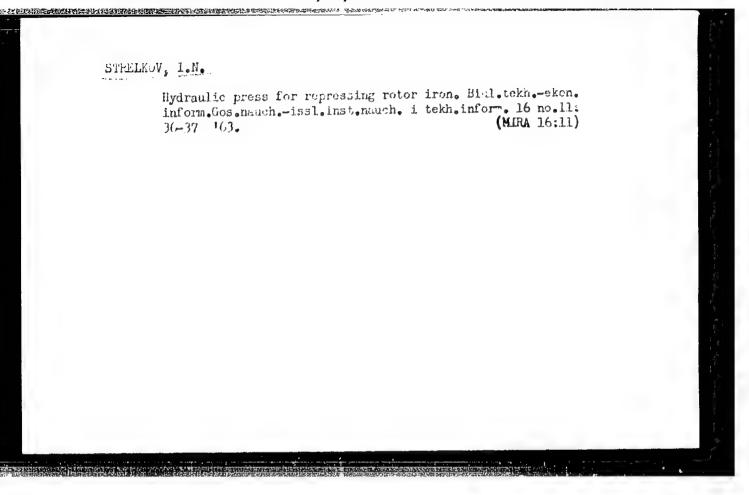
1. Belorusskiy nauchno-issledovatel'skiy institut zemle-deliya.

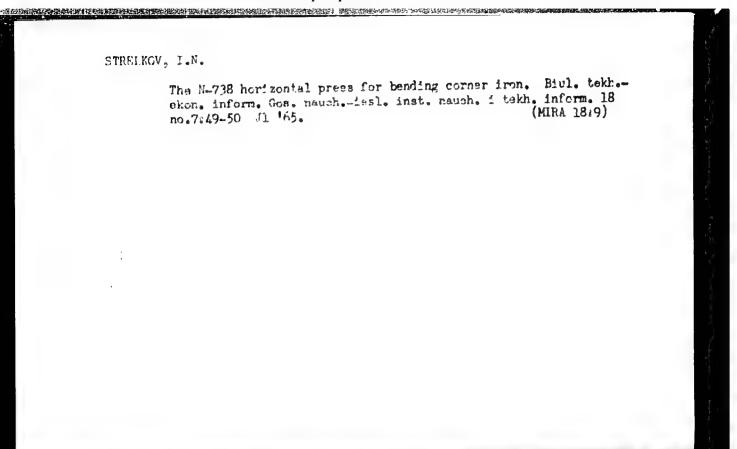
STRELKC.V, Ignatiy Georgiyevich; NACORSKAYA, Mariya Dmitriyevna; GSTR:WOY,

Tilarion Petrovich; LARIN, V.D., red.; TIMOSHCHUK, R.S., tekhn.
red.

[Perennial lupine] Knogoletnii liupin. Minsk, Gos.izd-vo sel'khoz.lit-ry, BSSR, 1962. 47 p. (MIRA 15:11)

(White Russia--Lupine)

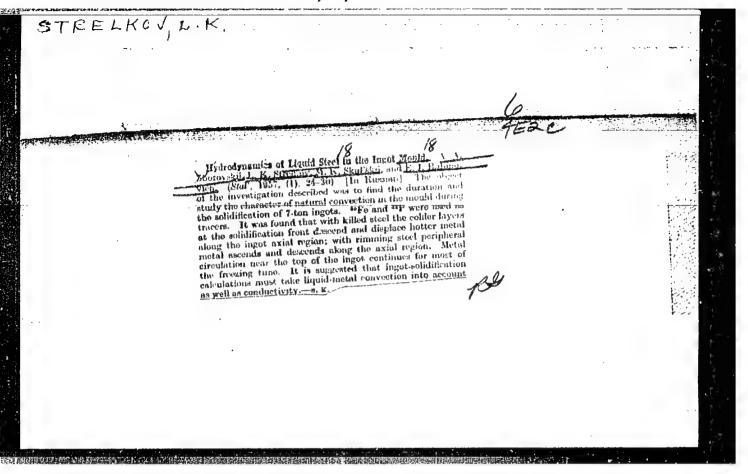




KHOKHLOV, A.L., dotsent; GOLOVATYY, G.M., kand.veter.nauk; STRELKOV, K.N., veterinarnyy vrach

Treating esophageal obstruction in cattle. Veterinariia 42 no.8:66-69 Ag \*65. (MIRA 18:11)

1. Leningradskiy veterinarnyy institut (for Khokhlov).
2. Kamenets - Podol'skiy sel'skokhozyaystvennyy institut (for Golovatyy). 3. Kolkhoz "Druzhba", Borovskiy rayon, Kaluzhskaya oblast' (for Strelkov).



137-1957-12-23350

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 12, p 72 (USSR)

AUTHOR: Strelkov, L. K.

TITLE: A Study of the Character and Rate of Erosion of Refractory Blast-

Furnace Lining at the Magnitogorsk Combine (Izucheniye kharaktera i skorosti razgara ogneupornoy kladki domennykh

pechey Magnitogorskogo kombinata)

PERIODICAL: V sb.: Primeneniye radioaktivn. izotopov v chernoy

metallurgii. Chelyabinsk, Knigoizdat, 1957, pp 49-58

ABSTRACT: A large quantity of radioactive isotopes ( $Co^{60}$ ,  $P^{32}$ ,  $Ca^{45}$ , and  $W^{145}$ , with radioactivity ranging from 0.62 to 3000 mc,

encased in steel or porcelain envelopes, were placed into the lining of the well or of the lower shaft section of blast-furnaces Nrs 3, 4, 6, 7, and 8, while the latter were undergoing repair or construction work. The disintegration of the lining was detected by the appearance of radioactivity in the pig iron, to-

gether with a general decrease in radioactivity in the vicinity of

Card 1/2 the sources. It was established that the most intense disinte-

137-1957-12-23350

A Study of the Nature and Rate of Heat, of Fire-Proof Blast-Furn. Lin. (cont.)

CHARLES FOR VEHICLE STATES AND STATES OF THE STATES OF THE

gration of the furnace lining occurs during the period immediately following the firing up of the furnace, particularly in the lower section of the shaft; owing to their low binding strength, the carbon blocks of the furnace will begin to float as early as two months after the furnace was set in operation. The mixing of the pig iron in the hearth and in the "pit", which had formed in the bottom of the well, was found to be small.

L. Kh.

1. Furnaces 2. Refractory materials-prosion

Card 2/2

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AUTHOR:

ZBOROVSKIY, A.A., STRELKOV, L.K., SKUL SKIY, M.K.,

PA - 2374

engineers, and RABINOVICH, E.I., cand. of tech-sc.

Hydrodynamics of Molten Steel in Molds. (Gidrodinamika zhidkoy

TTTLE:

stali v izlozhnitse, Russian). Stal', 1957, Vol 17, Nr 1, pp 24 - 30 (U.S.S.R)

Received: 5 / 1957

Reviewed: 5 / 1957

ABSTRACT:

PERIODICAL:

The present work was intended to investigate the duration and the character of the natural convection of liquid steel in the ingot mold on the occasion of the casting of blocks of 7 t weight of quiet and boiling steel. For this purpose thin-walled aluminum ampules were introduced into the molten metal in a depth of 20 cm from the level, which had radioactive isotopes of iron Fe<sup>59</sup> and of phosphorus P<sup>32</sup>; this was done at certain intervals of time after the mold was filled with steel. he computation of the velocity of the molecular diffusion of Fe<sup>59</sup> in liquid steel is carried out, and for the determination of the diffusion coefficient the Stockes-Einstein equation is used. The process of solidification in the molds is accompanied by intense mixing. When the quiet steel solidifies, the coldest layers of the liquid metal sink along the crystallization front and displace the metal with the higher temperature in the axial part of the block. In boiling steel the metal rises during the boiling period on the periphery of the melt and sinks in the axial zone.

Card 1/2

PA - 2374

Hydrodynamics of Molten Steel in Molds.

Mixing through ceases in the lower layers, but in the upper part circulation continues during the greatest part of the period of solidification. When the indicator is introduced from above, the marked atoms fix the contours of the crystallization front with sufficient accuracy only on the lateral edges of the block. When computing crystallization velocity it is necessary not only to take account of heat transfer because of the thermal conductivity but also of that due to the convection currents of the melt. The previously used computation method as employed for frozen ground does not express the true character of the phenomenon. (1 table and 13 illustrations).

ASSOCIATION: Metallurgical Combine of Magnitogotsk

PRESENTED BY: SUBMITTED:

AVAILABLE: Library of Congress.

Card 2/2

SOV/137-58-8-16554

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 8, p 46 (USSR)

AUTHORS: Zborovskiy, A.A., Strelkov, L.K., Skul'skiy, M.K.,

Rabinovich, Kh.I.

TITLE: Employment of Autoradiography Methods in Determination of

the Rate of Solidification of Ingots of Rimmed and Killed Steel

(Opredeleniye skorosti zatverdevaniya slitkov spokoynoy i

kipyashchey stali metodom avtoradiografii)

PERIODICAL: V sb.: Staleplavil'n. proiz-vo, Moscow, Metallurgizdat,

1958, pp 184-196

ABSTRACT: Radioactive Fe<sup>59</sup> was introduced into killed steel at differ-

ent intervals of time following the casting of this steel into a 2400-mm high mold equipped with a lined cover and having the following dimensions: 760x680 mm (bottom) and 720x510 mm (top). Experimental ingots were rolled into square billets (120 mm per side), specimens were taken along the length of the rolled billet, and 5-mm thick transverse templets were cut from it for purposes of radiographic studies. Assuming that

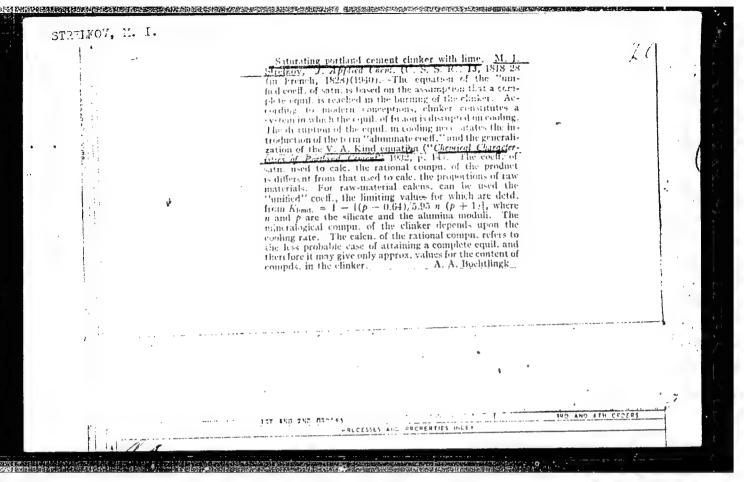
the ratio of the surface of activated zone to the surface of a

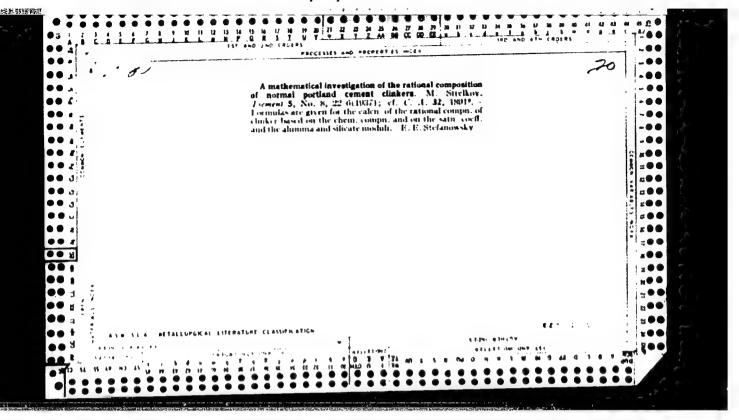
Card 1/2 transverse section of the ingot remains unchanged during

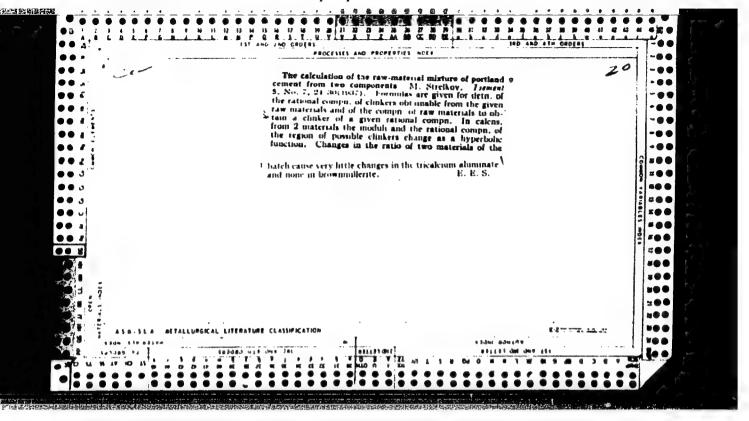
SOV/137-58-8-16554

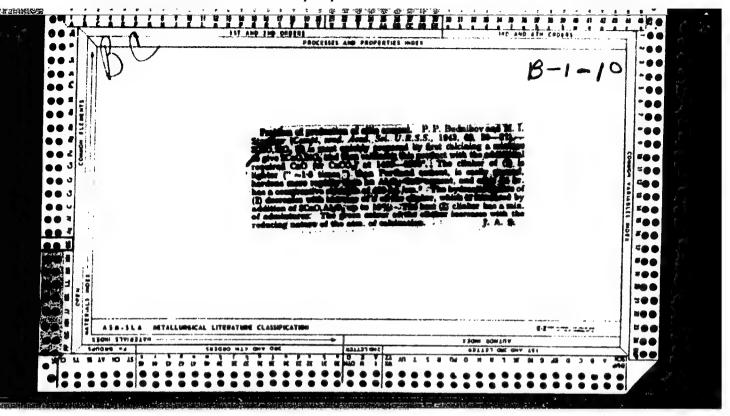
Employment of Autoradiography Methods (cont.)

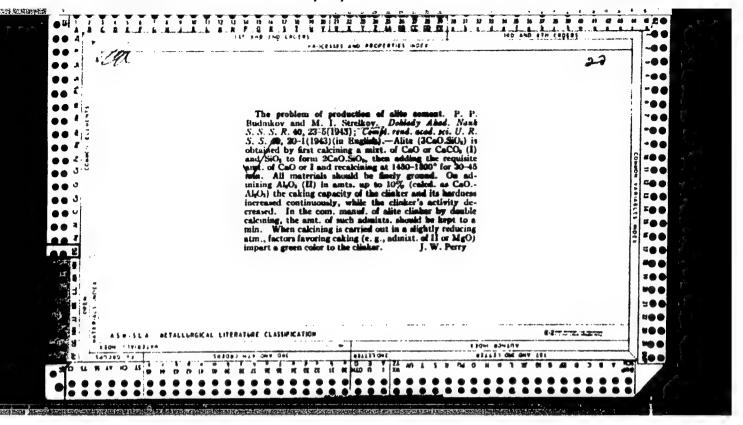
rolling, radiograms were employed in the computation of the thickness of a layer which had solidified by the time the isotope was introduced. The data obtained coincide almost completely with the curve D=2.6  $\sqrt{t}$ , where D is thickness of the solidified layer of metal (expressed in mm); t is the time (in minutes) which has elapsed after the mold had been filled; 2.6 (cm/min) is the solidification constant of the steel in a cast-iron mold (obtained by the method of overturning of analogous ingots). When the molds with the ingots were not disturbed until the metal had solidified completely and the isotope was introduced into the ingot in three successive portions, four boundaries of isotope distribution, i.e., four zones of activity (the maximum activity being in the central zone) were observed in all but one experiment. It is assumed that the appearance of an "extra" zone is the result of intensified agitation of metal during the displacement (shaking) of the molds, a fact which may, therefore, have an adverse effect on distribution of liquates in an ingot. The crystallization of rimmed steel was investigated in an analogous manner by introducing radioactive isotopes of Fe or S into ingots weighing 6.9 tons. In computing the thickness of the solidified layer, the volumetric reduction of metal which occurs during rolling, apparently, was not taken into consideration with sufficient accuracy because the results obtained diverge somewhat from the values obtained by means of the "Chipmen" formula. D=3.05+22.56  $\sqrt{t}$ . I. Steel--Properties A. Steel--Autoradiogra-Card 2/2 3. Iron isotopes (Radioactive) -- Applications

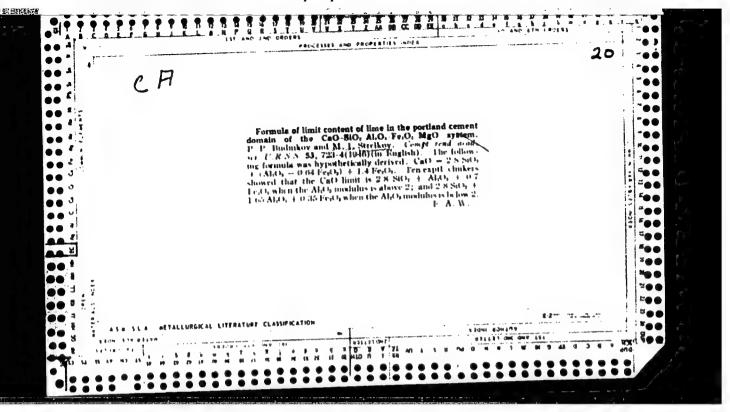


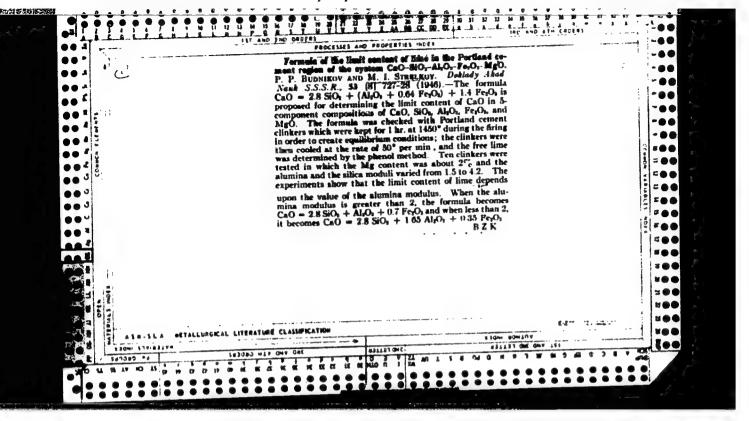


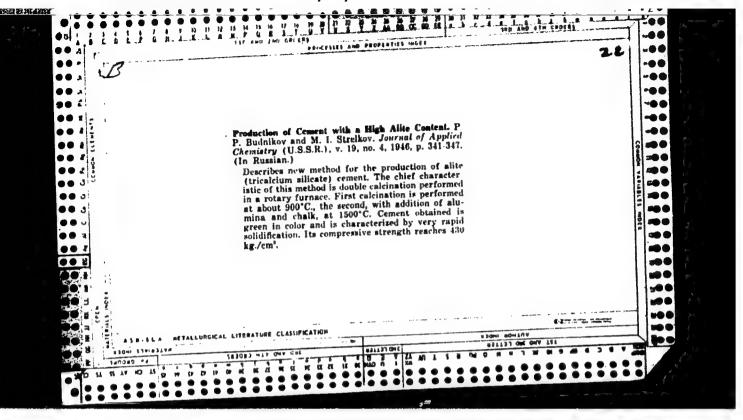


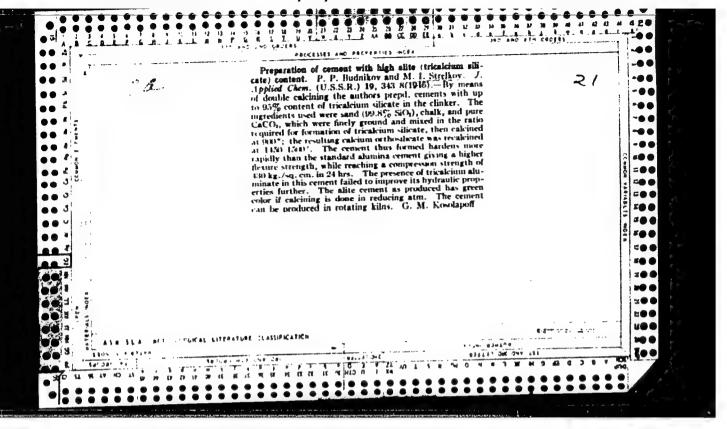






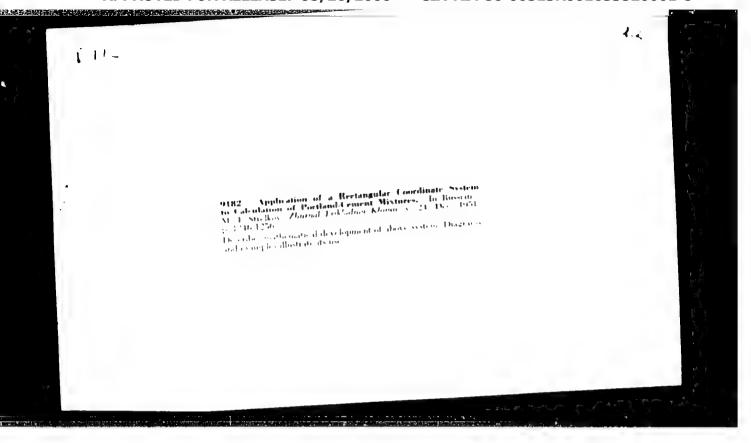


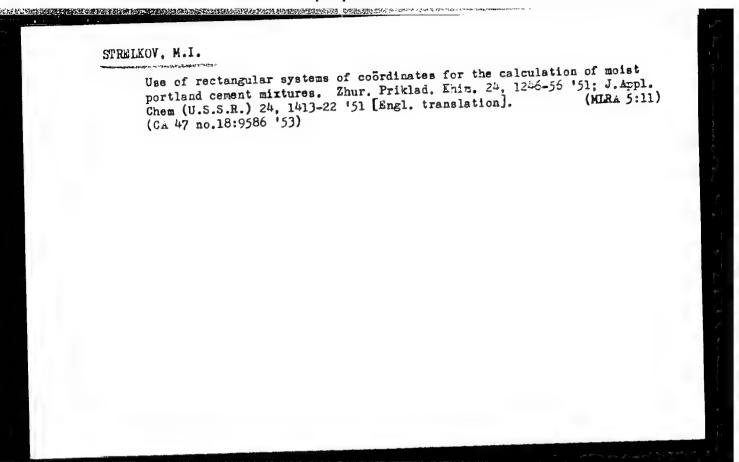




### "APPROVED FOR RELEASE: 08/26/2000

### CIA-RDP86-00513R001653520001-8





BUDNIKOV, P., STRELKOV, M. I.

Binders (Chemistry)

"Chemistry of binding materials." Zhuravlev, V. F. Reviewed by P. Budnikov, M. I. Strelkov. Zhur. prikl. khim. 25, no. 6, 1952.

Monthly List of Russian Accessions. Library of Congress, Cotober 1952. Unclassified.

#### "APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653520001-8

Chemical Abstracts
May 25, 1954
Cement, Concrete and other Building Materials

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Chemical Abstracts

Cament, Concrete and other Building Materials

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#### STRELKOV, M.I.

Physiological conditions of Anopheles maculipennis messeae during fall and epidemiological role of autumnal generation in Transvolga section of Saratov region. Ned. parazit., Moskva no.1:35-40 Jan-Feb 1953.

(CLML 24:4)

1. Of Saratov Oblast Anti-Malarial Station (Head -- G. M. Uman).

STRELKOV, M. I.

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653520001-8"

\*\*The Presence of Gehlenite in Granulated Blast-Furnace Slags.
M. J. Strelkov. (Pokkady Akademii Nauk S.S.S.R., 1953, 90, (3), 141–143. [In Russian]. To verify statements in the hterature that granulated blast furnace slags contain gehlenite, the velocity and degree of chemical reaction between calcium sulphate and this slag were investigated. Some samples were also studied by the microscope and X-rays. It is concluded that: (1) Gehlenite is not formed in normally granulated blast furnace slags: (2) the trisulphate form of calcium sulphate aluminate is produced during the interaction of slags with gypsium in saturated solutions; (3) During bolding of the slag in line-gypsium solutions, the monosulphate form of calcium sulphate aluminate is produced and this crystallizes in plates which at room temperature quickly transform into needles, - v. a.

Principles of preparation of multicomponent raw mixtures.

M. I. Striken, Demand, 20 [4] 10 13 (1951) — The composition of a two component charge also requires the determination of the Pe<sub>2</sub>O<sub>3</sub>. An example of calculations for a three component mixture is given.

B.Z.K.

STRELKOV, M.I., kandidat tekhnicheskikh nauk.

Automatic cement plant. TSement 21 no.1:5-8 Ja '55. (MIRA 8:4)

(Cement industries)

STRELKOV, M.I., Doc Tech Sci -- (diss) "Theoretical bases for obtaining clinkers of standardized mineralogical composition and the manufacture of quick-hardening highly belief cements." Len,1958. 16 pp. (Inst of Chemistry of Silicates Acad Sci USSR). 120 copies. List of the author's works at the end of the text. (24 titles). (KL, 12-58, 98)

-35-

STREIKOV, M. [Strilkov, M.], kand.tekhn.nauk; KRYZHANOVSKAYA, I.

[KHYZHANIVS'KA, I.], kand.tekhn.nauk; SYRKIN, Ya., kand.tekhn.
nauk; BIOKH, K., inzh.; DOLZHKOVA, G. [Dolzhkova, H.], inzh.

Colored slag cements. Bud.mat.i konstr. 2 no.1:31-32

F '60. (Slag cement)

Continuous preparing of raw mixes is the basis for the organization of an automatically controlled concrete plant. TSement 26 no.5:14-18 (MIRA 13:10)

(Cement plants) (Automation)

SYRKIN, Yakov Moiseyevich; FRENKEL', Mikhail Borisovich. Prinimal uchastiye STHELKOV, M.I., kand.tekhn.neuk; KOMENDANT, K.P., red.; ZELENKOVA, Ye.Ye., tekhn. red.

[Chemistry and technology of slag portland cement] Khimiia i tekhnologiia shlakoportlandtsementa. Kiev, Gosstroiizdat USSR, (MIRA 15:7) 1962. 176 p.

(Portland cement)

CIA-RDP86-00513R001653520001-8" APPROVED FOR RELEASE: 08/26/2000

STRELKOV, M.I., kand.tekhn.nauk; CHUMAK, Z.P., inzh.

Electron microscope studies of the form and internal structure of Ca(OH)<sub>2</sub> separated out from supersaturated solutions. Stroi.

mat. 8 no.12:36-38 D '62.

(Lime) (Electron microscope)

BUDNIKOV, P.P.; STRELKOV, M.I.; PLAKSINA, F.Ye.

Content of sulfides in granulated blast furnace slags. Izv. AN
SSSR. Met. i gor. delo no.5:80-83 S-0 '63. (MIRA 16:11)

STRELKOV, M.I.; CHUMAK, Z.P.

On pseudoforms of hydration of binders observed by the electron microscope. Dop. AN URSR no.8:1076-1080 '63. (MIRA 16:10)

1. Yuzhnyy nauchno-issledovatel'skiy institut promyshlennogo stroitel'stva. Predstavleno akademikom AN UkrSSR P.P. Budnikovym. (Binding materials) (Hydration) (Electron microscopy)

STRELKOV, M.I., kand. tekhn. nauk; HAKLANOV, G.M., inzh.; MININ, V.I.,
inzh.; DAVYDOV, B.V., inzh.; KUCHMENT, O.V., inzh.

Recent technological developments in the manufacture of reinforced contrete mine struts. Ugol' Ukr. 7 no.7:22-23 Jl '63.

(MIRA 16:8)

(Mine timbering—Equipment and supplies)

(Reinforced contrete construction)

STRELKOV, M.I., kand. tekhn. nauk; FEDORYAKIN, B.F., inzh.

Intensification of the hydration process in hardening asbestos-cement products. Stroi; mat. 11 no. 12:24-26 D '65. (MIRA 18:12)

Electron dispressore study of CgA hydration. No. 68 UECT no. 1012/9742600 165.

1. Therkins by i prombed Wilgroyekt.

STRELKOV, Mikhail Nikiforovich; LUR'YE, A.B., redaktor; MOLODTSOVA, N.G., tekhnicheskiy redaktor

[Assembling equipment on a stock farm] Montazh oborudovaniia na zhivotnovodcheskikh farmakh. Moskva, Gos. izd-vo selkhoz. lit-ry, 1956. 139 p. (MIRA 9:12)

(Stock and stockbreeding) (Farm mechanization)

STRELKOV, Mikhail Nikiforovich; IOFINOVA, M.A., red.; BARANOVA, L.G., tekhn.red.

> [Assembling and operating equipment on stock farms] Montazh i ekspluatatsiia oborudovaniia zhivotnovodcheskikh ferm. i ekspluatatsiia oboruqovamiia zmrvotat. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1960. 175 p. (MIRA 13:11)

[1] "这个大学,我们就是我们的我们是我们的的人,我们就是我们的,我们就是这个人,我们就是我们的人,我们就是我们的,我们就是我们的一个人,我们们是一个人,他们 第一个人,我们就是我们的我们就是我们的,我们就是我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们就是我们的,我们就是我们的,我们就是我们的一个人,我

(Agricultural machinery)

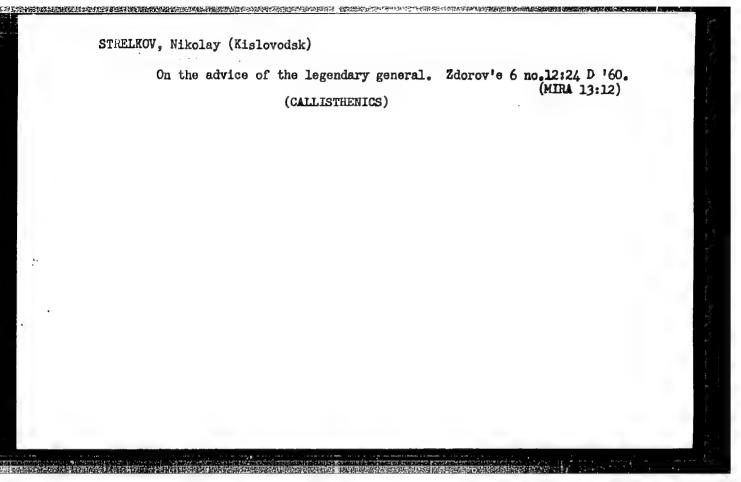
ZUYEV, A.I.; GLAZUNOV, P.D.; DANILENKO, N.H.; KISELEV, I.N.; STRELKOV, M.N.; IOFINOV, S.A., prof., red.; CHAPSKIY, O.U., red.; BARANOVA, L.G., tekhn.red.; FRIDMAN, Z.L., tekhn. red.

[Concise manual for the agricultural machinery operator]
Kratkii spravochnik mekhanizatora sel'skogo khoziaistva.
[By] A.I.Zuev i dr. Moskva, Sel'khozizdat, 1963. 583 p.
(MINA 17:1)

(Agricultural machinery)

STRELKOV. N.

Joint session of the clinical medicine and medical biology sections of the Academy of Medical Sciences of the U.S.S.R., the Central Administration of Resorts and Sanatoriums, Ministry of Health of the U.S.S.R., and the Central Institute of Resort Therapy. Vop.kur. fizioter. i lech.fiz.kult, 21 no.2:83-88 Ap-Je 56. (MIRA 9:9) (PHYSICAL THERAPY)



AUTHORS:

Strelkov, N.K. and Volkov, V.V.

605

TITLE:

Experience in the Application of Oil Mist Lubrication in Ball Bearing Supported Grinding Spindles (Opyt Prineneniya Smazki Maslyanym Tumanom Sharikopodshipnikovykh Opor).

PERIODICAL:

"Stanki i Instrument" (Machine Tools and Cutting Tools, No.3, 1957, pp.40-41 (U.S.S.R.).

ABSTRACT:

Tests at the IGPZ Imeni L.M. Kaganovicha are reported wherein ball bearings supporting internal grinding spindles previously packed with sodium-lithium soap loaded grease were lubricated by an oil mist produced by a compressed air pulveriser. The service life of these spindles was increased from about 100 to over 400 hours. The mist is supplied at a pressure of 200 to 300 kg/cm², 2 to 3 g/hr per spindle are used and 1 to 2 m³/hr of compressed air.

Card 1/1

STRELKOV, N. L.

"Study of Glanders in Overworked and Undernourished Horses" included in

Chap. 1 - Infectious and Invasive Diseases (p 40) of

"Bolezni Loshadey ( Equine Diseases)", Sbornik Rabot (Collection of works), Cgiz-Selikhozgiz,

Compiled by A. Yu. Branzburg and A. Ya. Shapiro under Editorship of A. M. Laktionova, State Press for Agric. Literature. In majority of cases, previously published in the journal Veterinariya or in one of the manuals issued by the Veterinary Admin. of the Armed Forces USSR

-W-9922, 1 May 1950, p 1

m

STIBLEOV, h. M. and POLKANOV, h. N.

"The effect of cold on components which are applied for serological diagnostics of planders."

Author's report. In symposium: Nauch.-prakt. raboty voyen-v t. slughby, Moscov, 1948, p. 92-94

SO: U-3850, he June 53, (Letopis 'Zhurnal 'nykh State/, No. 5, 1949).

STRELEGY, Y. H. and Foliation, Y. H.

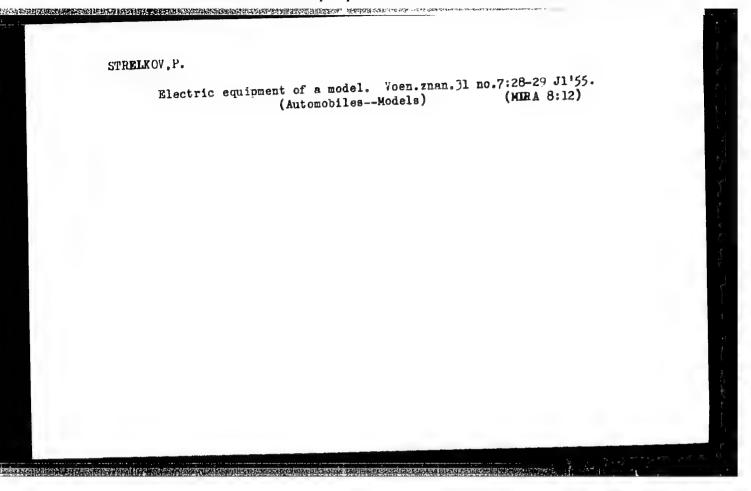
"The activity of counter-tetanus anatoxin subjected to refrigeration," (Author's report),
In symposium: Nauch-prakt, reboty voyen-vet, sluzhby, Moscow, 1948, p. 35-96

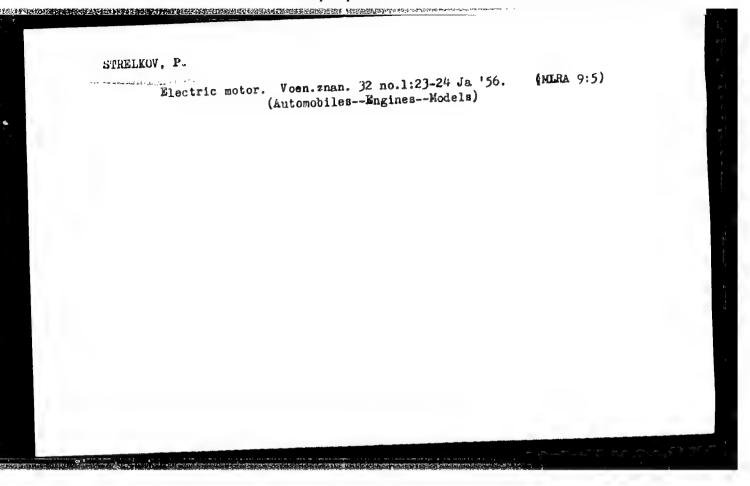
SO: U-3650, 16 June 53, (Letolis Zhurnal 'nykh Statey, No. 5, 1949).

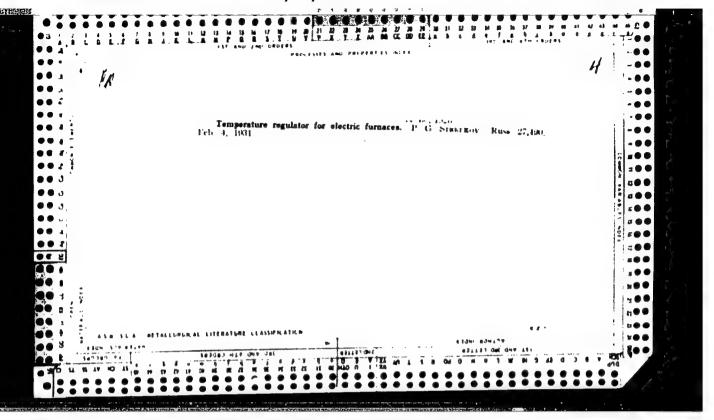
STRELKOV, N.V.

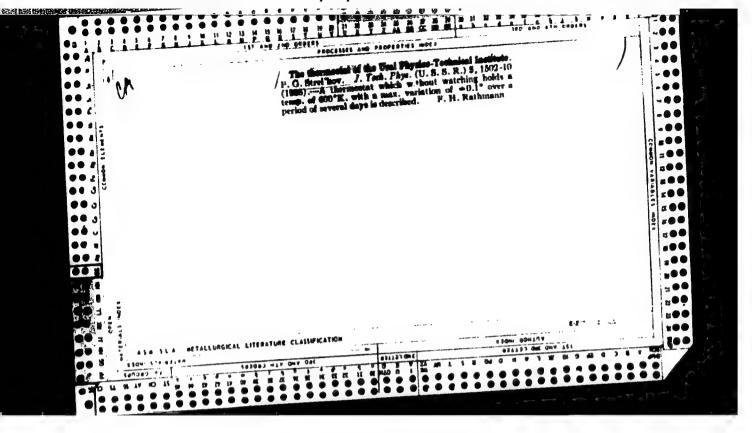
Continuously improve rural telephone service. Vest. sviazi 25 nol6:25-26 Je 165. (MIRA 18:11)

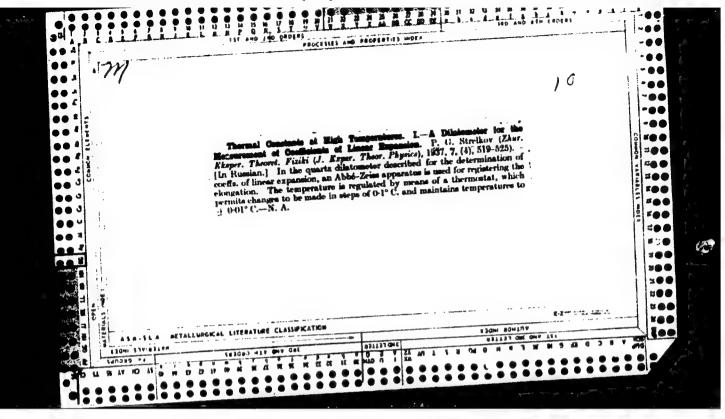
1. Nachal'nik Novosibirskogo oblastnogo upravleniya svyazi.











STREET, A. H., CACHECUCKIY, V. G., CHRISTOV, F. G.

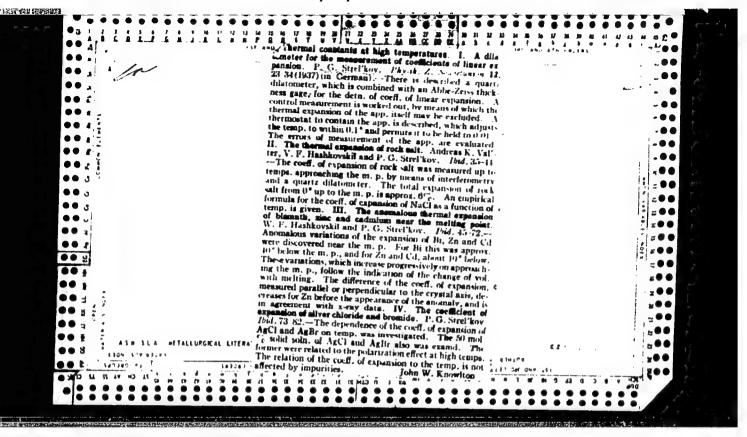
THORAS: Constants in High Temperatures

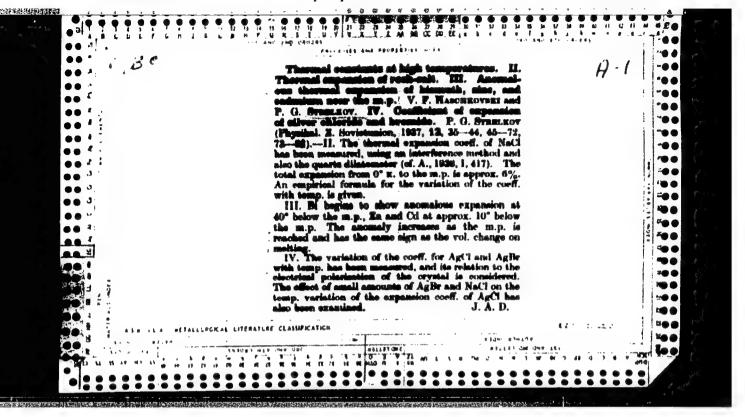
II - Therasic Expansion of Rock Calt

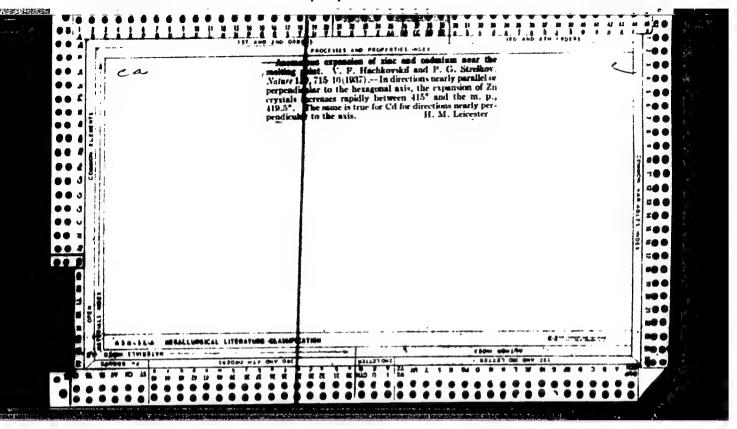
ZhOTF 7, 50 , 1937

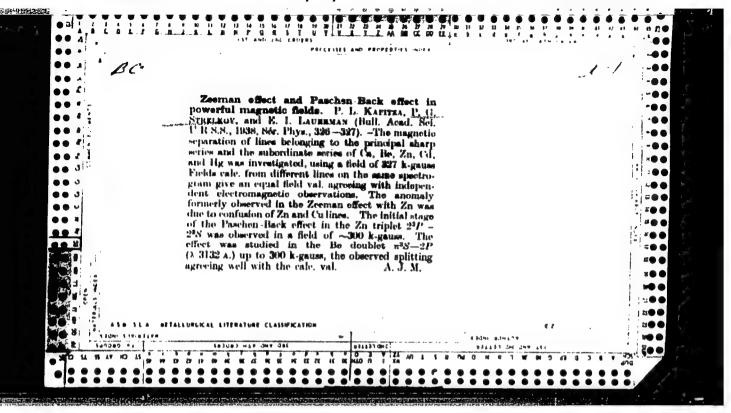
Thermic Constants in High Teyaperatures. IV. Expansion Scefficient of Silver Chloride and Bromide.

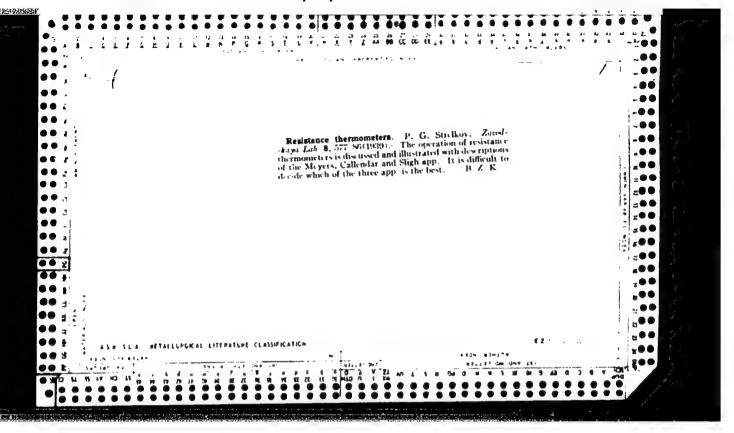
ZhETF 7 549, 1937

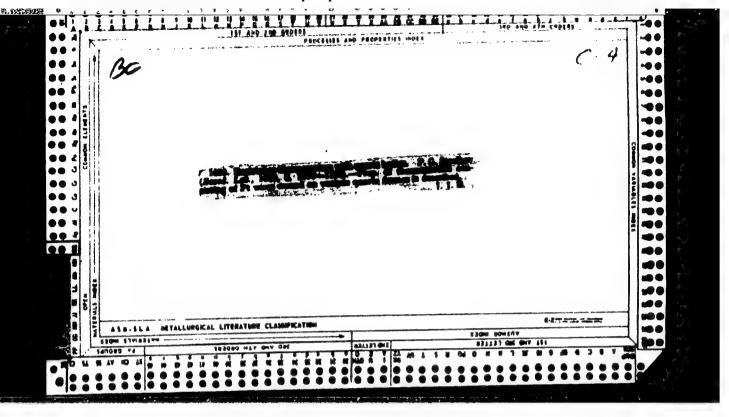


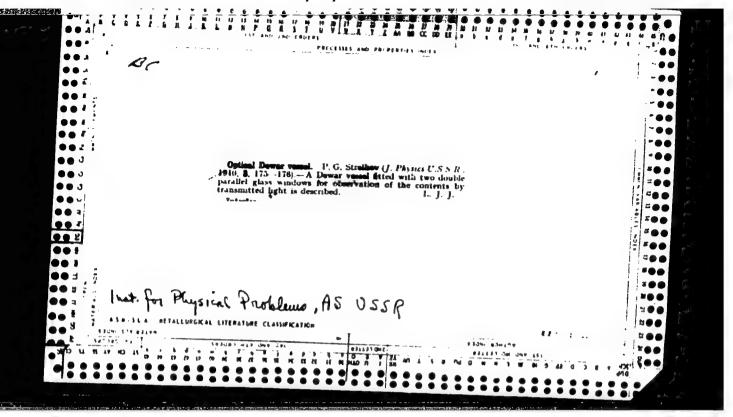


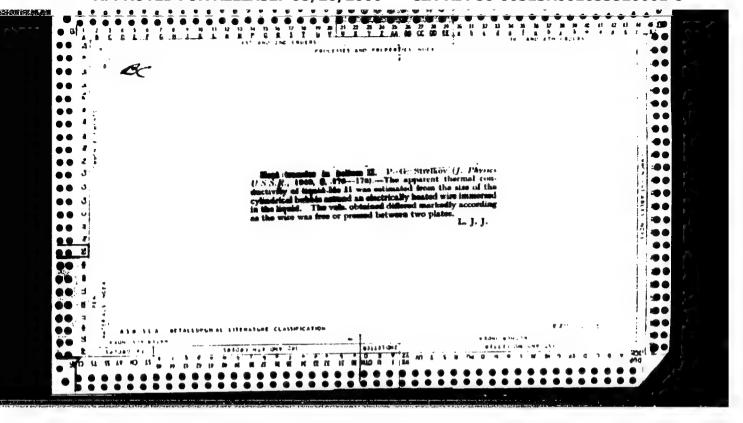


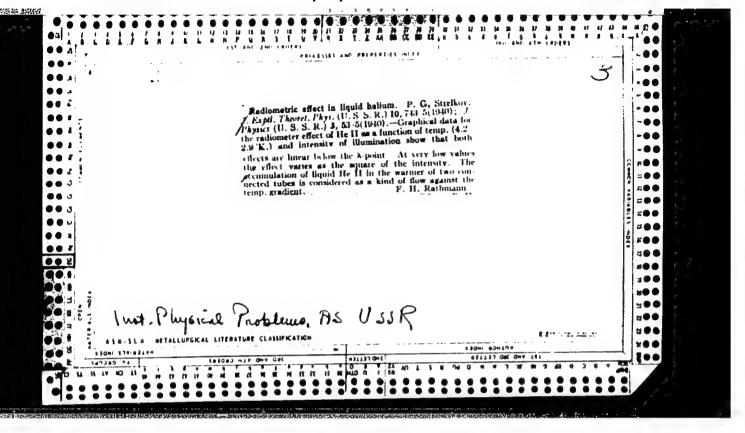


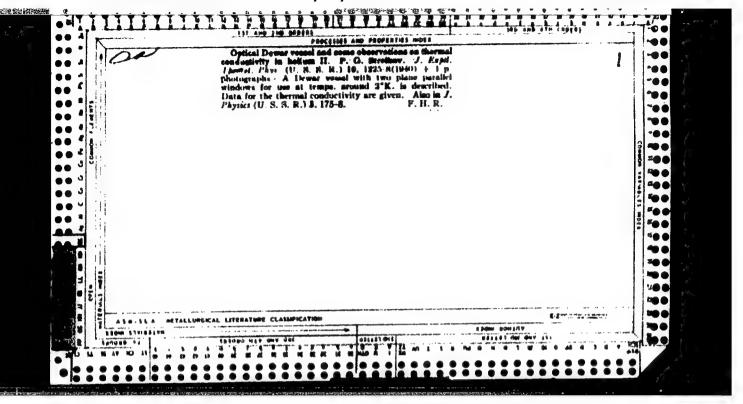


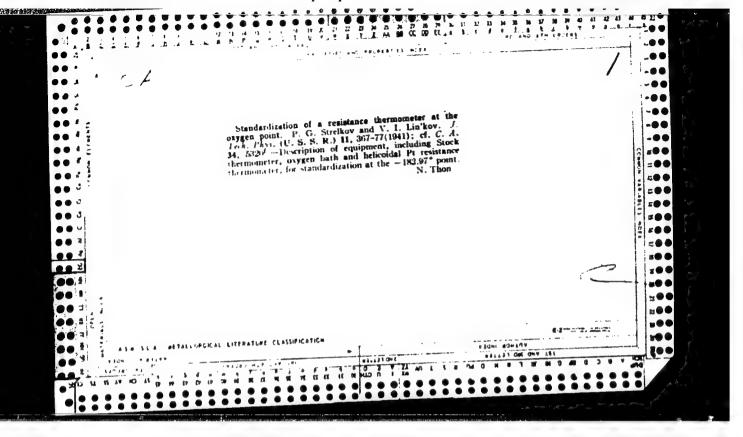












Stading, F. G. (Frof.) Dr. Physico-Math. Set.

"Come Mates on the Technology of Manufacture of Materal Sels," Eightred, No.2, 1985.

Inst. Phys. Problems, AS USSR

C. 4.

Work done on thermometry of low temperature. P. G. Stryligev. Inset. Abad. Nanh  $5.5.3.R_{\odot}$  Ser. Ph. 14, 118-21 (1990).—The investigated region by between 10-14 K. and 300 K. Pt resistance thermometers with quarts observes were calibrated at the b.p. of S, the b.p. and m.p. of  $H_0O$ , and the b.p. of  $O_0$ . Pt of 99.9994% purity and  $R_{\rm ind}R_0=1.3924$  was used in the latest models. Temps, between 10 and 90 K. were also measured with Pt resistance thermometers calibrated with the b.p. value of  $H_0$  and the standard L6 of the American Bureau of Standards. With these were

fitablished: the O<sub>1</sub> triple point at 54.37 %... the transition point in solid O<sub>2</sub> at 43.79 %. The b.p. of H<sub>2</sub> depends on its content of ortho and para varieties. An app. was developed contg. 2 condensation thermometers one of which was filled with 25% para-H<sub>2</sub> and the other contained 99.8% para-H<sub>2</sub> cheld in equil. by a catalyzing Al<sub>2</sub>O<sub>3</sub> get.

8. Palsower

STRELKOV. P. G.

NEW PROPERTY OF THE PROPERTY O

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653520001-8"

536,531

7209. Production and calibration of a group of resistance thermometers with quartz frames. N. A. BRILLYANTOV. V. I. LINKOY AND. P. G. STRELKOY. J. Tech. Phys., USSR. 20, 335-44 (March, 1950) In Russian.

### "APPROVED FOR RELEASE: 08/26/2000 CIA-R

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### CIA-RDP86-00513R001653520001-8

Ph 184192 Strain (4, 1, 4, 4)

> USSR/Physics - Low Temperatures Liquid Hydrogen

1 Mar 52

"A New-Type Gas Thermometer and the Determination of the Temperature of Boiling Hydrogen," A. S. Borovik-Romanov, P. G. Strelkov, Moscow State Inst of Measures and Measuring Instruments

"Dok Ak Nauk SSSR" Vol 83, No 1, pp 59-61

By subject instruments the authors obtain the following value for subject temp of boiling hydrogen:  $20.380 \pm 0.0022^{\circ}A$ . Submitted 9 Jan 52 by Acad M. M. Dubinin.

234192

PG.

USSR/Chemistry- Potassium Salt≸

Aug 52

"Measurements of Specific Heat Between 12 and 300° K: Specific Heat and Entropy of Potassium Chloride," P. G. Strelkov, Ye. S. Itskevich, V. N. Kostryukov, and G. G. Mirskaya, Inst of Phys Probimeni S. I. Vavilov Acad Sci USSR; Moscow State Inst of Measures and Measuring Instruments

"DAN SSSR" Vol 85, No 5, pp 1085-1088

In a specially constructed apparatus, the specific heat and entropy of potassium chloride were measured. The results agree with those obtained by other workers. Submitted by Acad M. M. Dubinin Jun 52.

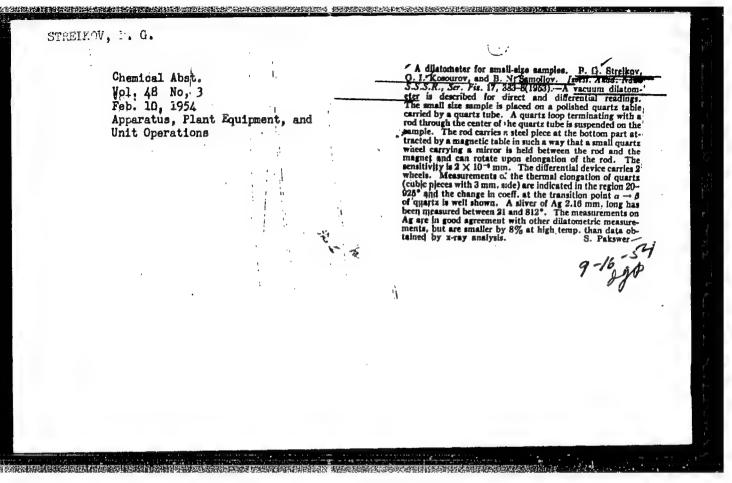
### STRELKOV, P.G.

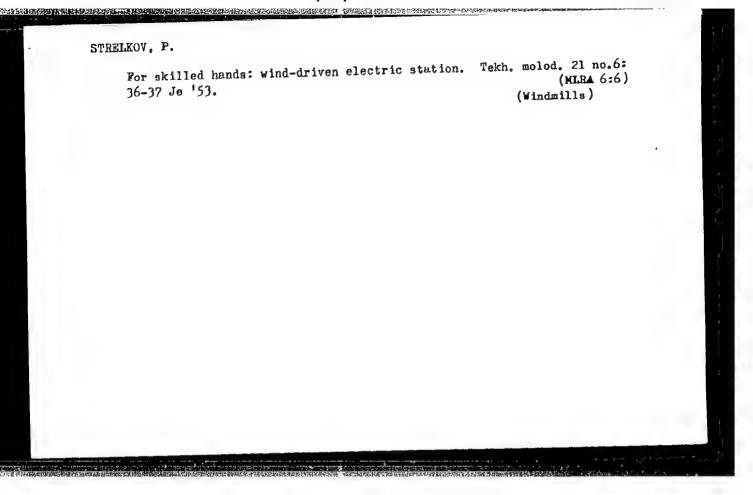
[Group programs for extracurricular children's organisations; young electricians' group (first year)] Programmy krushkov vnesh-kol'nykh detskikh uchreshdenii; krushok iunykh elektrotekhnikov (1-i god zaniatii). Moskva, Uchpedgiz, 1953. 15 p. (MLRA 6:12)

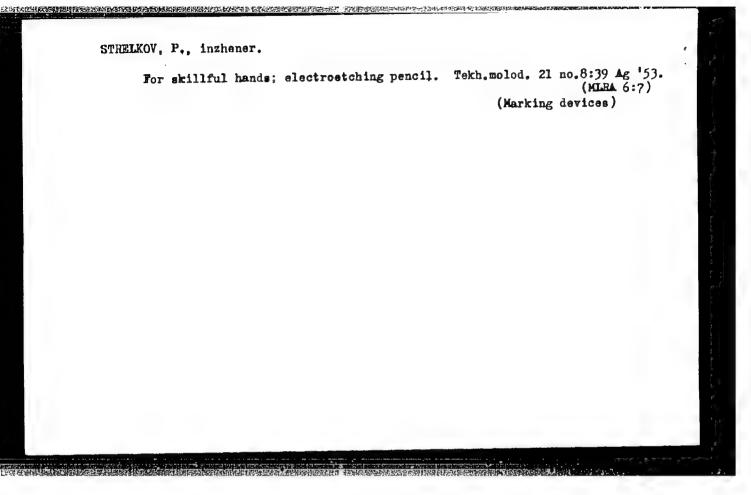
1. Tsentral'naya stantsiya yunykh tekhnikov imeni N.M.Shvernika. (Electricity)

### "APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653520001-8







USSR/Physics - Cryogenics techniques

FD-501

Card 1/1

THAIRU, I. ...

: Pub. 146-18/18

供表表別 **新聞教養的新聞女養的主義。其名為此時期**的問題的主義的教育者,所有的法學的主義的主義。 对自己的主義企业会主义。

Author

: Strelkov, P. G.

Title

: Some improvements in the techniques of experimental physics at very

low temperatures

Periodical

: Zhur. eksp. i teor. fiz., 24, 248, Feb 1953

Abstract

: Improves method of obtaining high vacuum by sorption of residual gas by

cooled carbon. Finds application of "carbon pump" very efficient at

helium temperatures.

Institution : Institute of Physical Problems. Acad. Sci. USSR

Submitted : October 8, 1952

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USSR/Physics - Cryogenics of 02

1 Jun 53

"Heat Capacity of Solid Oxygen Below 40 K," M. O. Kostryukova and P. G. Strelkov, Inst of Phys Problems imeni Vavilov, Acad Sci USSR

DAN SSSR, Vol 90, No 4, pp 525-528

Conclude that solid oxygen passes over into another class of magnetics between 10 and 4.2° K, but around 10° K is described by the formula g/X=(1/3)(2nmck/eh) in A. S. Borovik-Romanov's investigation (Zhur Eks i Teor Fiz 21, 1303 (1951)), who, along with the authors, was the first to construct necessary

254T106

apparatus to conduct these measurements in the region 4.2-2.5° K. State that the mentioned transition has been studied neutronographically by R. P. Ozerov (Usp Fiz Nauk, 47, 445 (1952)). Presented by Acad L. D. Landau 31 Mar 53.

STRELKOV P.C.
USSR/Phys co Low temperatures calibration

FD-898

Card 1/1

Pub 153-7/26

Author

: Borovik-Romanov, A. S., Orlova, M. P., and Strelkov, P. G.

Title

Equipment for producing the temperature of boiling hydrogen

Periodical

Zhur. tekh. fiz. 24, 1219-1223, Jul 1954

Abstract

The first step in the establishment of a temperature scale from 14 to 90°K is described, taking the boiling point of H as reference point. The equipment and the methods to determine this point within tolerances of i 0.0030K is outlined. Six refer-

ences including 3 foreign. Tables graphs.

Institution

Submitted

December 16, 1953

STRELKOV, P.G.

USSR/Physics - Measuring Instruments

Pub. 147 - 22/27 Card 1/1

: Strelkov, P.G.; Borovik-Romanov, A.S.; and Orlova, M.P. Authors

Thermodynamic investigations at low temperatures. Part 1.-Measurement of Title

temperatures between 12 and 300° K.

: Zhur. fiz. khim. 28/2, 345-352, Feb 19, Periodical

A technique was developed for the manufacture of thermometers with interna-Abstract tional scale graduation. The technique of calibrating thermometers, at a temperature corresponding to the boiling point of hydrogen, is described.

simple way of fixing the scale of a platinum resistance thermometer, by reducing it to the standard table, is explained. The technique described can also be applied in measuring the temperatures between 12 and 300° K with deviations from the thermodynamic scale of about 0.03 - 0.04°. Fifteen

references: 8-USSR; 3-USA; 2-German and 2-English (1929-1952). Tables; drawings.

Institution : State Institute of Measures and Measuring Instruments, The S.I. Vavilov

Institute of Physical Problems, Moscow

: June 8, 1953 Submitted

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653520001-8 USSR/Chemistry Card 1/1 Strelkov, P. G., Tsikevich, E. S., Kostryukov, V. N., Hirskaya, Authors G. G., and Samoylov, B. N. Thermodynamic investigations at low temperatures. Part 2.-Measurement of specific heat of solids and liquids between 12 Title and 300° K. Zhur. Fiz. Khim. 28, Ed. 3, 459-472, March 1954 Periodical A vacuum calorimeter arrangement with screening shields was constructed which enables to measure at low temperatures the Abstract specific heat of substances which at room temperature are either in solid or liquid states. The vacuum housing of the calorimeter is sectional because of the sectional vacuum compressor functioning at low temperatures. The installation is equipped with all other auxiliary devices. Calibration is made on the empty calorimeter. The described arrangement enables to conduct measurements in a temperature range of from 12-300° K. Three references. Drawings, graphs.

Institution

Acad. of Sc. USSR, the S. I. Vavilov Institute of Physical Problems and the Moscow State Institute of Weights and Measures

Submitted

; June 6, 1953

STRELKOV, F. G. USSR/Chemistry - Specific Heat

Card 1/1

Strelkov, P. G., Itskevich, E. S., Kostryukov, V. N., and Mirskaya, Authors

Thermodynamic Studies at Low Temperatures. III. Specific Heat of Title

Potassium Chloride Between 12 and 300° K. Entropy of Potassium

Chloride at 298, 16° K.

Zhur. Fiz. Khim. Vol. 28, Ed. 4, 645-649, Apr 1954 Periodical

Abstract

A study of the specific heat of potassium chloride between 12 and 300° K, and the entropy of potassium chloride at 298, 16° K, is presented. Data compiled on the specific heat of potassium chloride at low temperatures indicate that the discrepancies in contemporary measurement methods can cause an error in the entropy at standard

temperatures. Seven references; tables; graphs.

S. I. Vavilov's Institute of Physical Problems of the AS of the USSR, Institution

and the Moscow Institute of Measures and Measuring Instruments.

June 8, 1953 Submitted

### CIA-RDP86-00513R001653520001-8 "APPROVED FOR RELEASE: 08/26/2000

STREIKOV, P. G.

USSR/Chemistry - Specific Heat

Card 1/1

Kostryukov, V. N., Alikhanyants, R. A., Samoylov, B. N., and Authors

Strelkov, P. G.

Termodynamic Studies at Low Temperatures. IV. Methods for Measuring the Title

Specific Heat of Condensed Gases.

Zhur. Fiz. Khim. Vol. 28, Ed. 4, 650-655, Apr 1954 Periodical

A general description is given of a calorimetric apparatus, used for Abstract

measuring the specific heat of condensed gases at low temperatures, and the determination of the volume of gas by means of weighing it

under condensed condition. Four references; tables; graphs, drawings.

S. I. Vavilov's Institute of Physical Problems of the AS of the USSR. Institution

June 8, 1953 Submitted

STRE IKOV, P.F.

USSR/Chemistry Analysis methods

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Card 1/1 Pub. 147 - 17/25

Authors & Kostryukov, V. N., and Strelkov, P. G.

Title t Thermodynamic investigations at low temperatures. Part 5. Melting, pre-melting and pseudo-phase conversion of Hg.

Periodical : Zhur. fiz. khim. 28/10, 1825-1830, Oct 1954

Abstract

Calorimetric investigations, carried out close to the melting point, showed no anomalies in the specific heat of pure Hg in solid, liquid and supercooled states. The absence of measurable phenomena, caused by the existence of hetero-phase fluctuations in solid Hg, was established. Experimental premelting of solid Hg was brought about by the addition of Zn, Tl and Zn + Tl to the pure mercury. During Tl concentration in the mercury ranging from 0.02 to 0.1% the specific heat peak was observed at a melting point of the Tl-Hg eutectics. Eleven references: 7-USSR; 3-USA and 1-English (1915-

1954). Table; graphs; drawing.

Institution: Academy of Sciences USSR, The S. I. Vavilov Institute of Physical

Problems

Submitted: March 13, 1954

USSR/Physics - Solid oxygen

Card 1/1 Pub. 22 - 9/56

Borovik-Romanov, A. S.; Orlova, M. P.; and Strelkov, P. G. Authors

Title

Magnetic and thermal properties of three modifications of solidified oxygen

Dok. AN SSSR 99/5, 699-702, Dec 11, 1954 Periodical

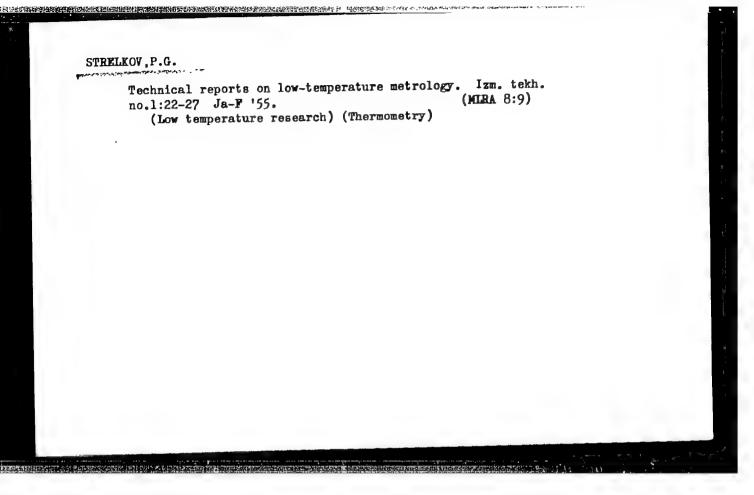
Abstract

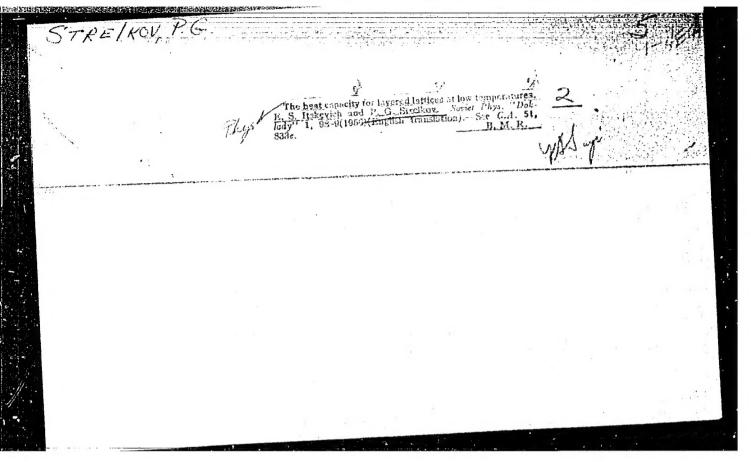
\* Experiments were conducted to determine the magnetic and thermal properties of solidified oxygen in the following three modified states: OA - at the temperature lower than 23.88°K; B - at the temperature between 23.88°K and 43.80°K; and 2- at the temperature between 43.80°K ami 54.37°K. Specific heat of oxygen at various temperatures was determined in view of Debye's temperature factor. Anti-ferro-magnetic properties of oxygen in its of and B states were checked by ballistic methods with the help of Denar's flask. Magnetic susceptibility of oxygen in its of state was measured and found to obey, as well as in the case of liquid oxygen, Curie's law  $\frac{c}{T-\Delta}$ . Fourteen references

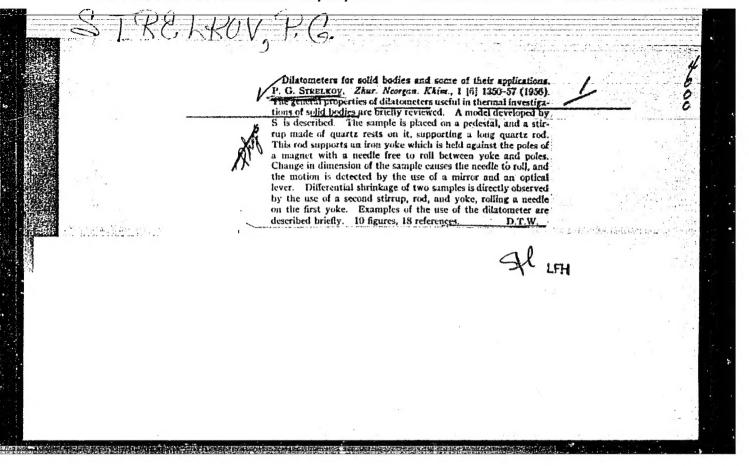
7-USSR (1911-1954). Graphs; diagram.

Institution: Moscow State Institute of Measures and Measuring Devices

Presented by: Academician P. L. Kapitsa, August 5, 1954







STRELKOV, Petr Georgiyevich; YEFREMOVA, Ye.V., redaktor; ANDRIANOV, B.I., tekninicheskiy redaktor

[Homemade telephone apparatus] Samodel'nye telefonnye apparaty.

Moskva, Izd-vo DOSAAF, 1956. 71 p. (MLRA 10:2)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653520001-8"

STRELKOV, P.G., inzhener; FILIPPOVA, V.S., redaktor; DZHATIYEV, S.G., tekhnicheskiy redaktor

经工程的 1900年,1900年,1900年,1900年,1900年,1900年,1900年,1900年,1900年,1900年,1900年,1900年,1900年,1900年,1900年,1900年,1900年,1900年

[Programs for extracurricular and school study groups; homemade wind-power electric plant (description and designs)] Programmy kruzhkov vneshkol'nykh uchrezhdenii i shkol; samodel'naia vetriannaia elektricheskaia stantiia (opisanie i chertezhi). Moskva, Gosuchebno-pedagog. izd-vo Ministerstva prosv. RSFSR, 1956. 84 p. (MIRA 10:4)

1. Russia (1917- R.S.F.S.R) Glavnoye upravleniye shkol.

(Technical education) (Wind power)

(Electric power production)